

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. – 10. (Cancelled)

11. (Previously Presented) A method of displaying measured parameters associated with each piece of equipment in an array of electronic equipment situated in at least one equipment rack, comprising:

retrieving data representing the measured parameters from a database;

mapping the measured parameters to color codes;

displaying a three-dimensional graphic representation of the array of electronic equipment;

in the three-dimensional graphic representation, representing each piece of electronic equipment in the array with the color mapped to a measured parameter associated with the piece of electronic equipment, the graphic representation further depicting the equipment rack with a graphic representation of each piece of equipment situated in a position of the graphic representation of the equipment rack corresponding with the physical location of the equipment in the equipment rack;

receiving an input from a user interface that indicates a change in view has been selected by an operator;

re-displaying the three-dimensional graphic representation of the array of electronic equipment to change to the view selected by the operator; and

in the three-dimensional graphic representation, representing each piece of electronic equipment in the array with the color mapped to the measured parameter.

12. (Original) The method according to claim 11, further comprising:

determining that a database update has occurred;

retrieving updated measured parameters from the database;

mapping the updated measured parameter to color codes;

re-displaying the three-dimensional graphic representation of the array of electronic equipment; and

in the three-dimensional graphic representation, representing each piece of electronic equipment in the array with the color mapped to the updated measured parameter.

13. (Original) The method according to claim 11, wherein the view selected by the operator comprises one of a panned view, a rotated view, a tilted view, a moved view and a zoomed view of the three-dimensional graphic representation.

14. (Original) The method according to claim 11, wherein the measured parameter comprises one of temperature, power, current and voltage.

15. (Original) The method according to claim 11, further comprising receiving updated parameters from the electronic equipment and storing the updated parameters in the database.

16. (Original) The method according to claim 11, carried out in a programmed processor.

17. (Previously Presented) A computer readable storage medium storing instructions that, when executed on a programmed processor, carry out a method of displaying measured parameters associated with each piece of equipment in an array of electronic equipment situated in at least one equipment rack, comprising:

retrieving data representing the measured parameters from a database;

mapping the measured parameters to color codes;

displaying a three-dimensional graphic representation of the array of electronic equipment;

in the three-dimensional graphic representation, representing each piece of electronic equipment in the array with the color mapped to a measured parameter associated with the piece of electronic equipment, the graphic representation further depicting the equipment rack with a graphic representation of each piece of equipment situated in a position of the graphic representation of the equipment rack corresponding with the physical location of the equipment in the equipment rack;

receiving an input from a user interface that indicates a change in view has been selected by an operator;

re-displaying the three-dimensional graphic representation of the array of electronic equipment to change to the view selected by the operator; and

in the three-dimensional graphic representation, representing each piece of electronic equipment in the array with the color mapped to the measured parameter.

18. (Currently Amended) A method of displaying measured parameters associated with each piece of equipment in an array of electronic equipment situated in at least one equipment rack, comprising:

- retrieving data representing the measured parameters from a database;
- mapping the measured parameters to color codes;
- displaying a three-dimensional graphic representation of the array of electronic equipment;
- determining that a database update has occurred;
- retrieving updated measured parameters from the database;
- re-mapping the updated measured parameter to color codes;
- re-displaying the three-dimensional graphic representation of the array of electronic equipment;
- receiving an input from a user interface that indicates a change in view has been selected by an operator, wherein the change in view represents a moved, tilted, rotated, panned or zoomed version of the view;
- re-displaying the three-dimensional graphic representation of the array of electronic equipment to change to the view selected by the operator[.]; and
- wherein in each three-dimensional graphic representation, each piece of electronic equipment is represented with the color mapped to the measured parameter, and wherein each graphic representation further depicts the equipment rack with a graphic representation of each piece of equipment situated in a position of the graphic representation of the equipment rack corresponding with the physical location of the equipment in the equipment rack.

19. (Original) The method according to claim 18, wherein the measured parameter comprises one of temperature, power, current and voltage.

20. - 26. (Cancelled)

27. (Currently Amended) A system that displays measured parameters associated with a plurality of pieces of equipment in an array of electronic equipment situated in at least one equipment rack, comprising:

- a communication circuit that receives data representing the measured parameters from the plurality of pieces of equipment;

- a computer programmed to carry out the functions of:

- receiving the data and store the data in a database that relates the measured parameters to the plurality of pieces of equipment;

- mapping the measured parameters to color codes;

- rendering a three-dimensional graphic representation of the array of electronic equipment; and

- wherein, in the three-dimensional graphic representation, each piece of electronic equipment in the array is represented with the color mapped to a measured parameter associated with the piece of electronic equipment, and wherein the three-dimensional graphic representation further depicts the equipment rack with a three-dimensional graphic representation of each piece of equipment situated in a position of the three-dimensional graphic representation of the equipment rack corresponding with the physical location of the equipment in the equipment rack.

28. (Currently Amended) The system according to claim 27, further comprising:

- wherein the communication circuit comprises updates the database with new data on a periodic basis;

- and wherein the computer program further carries out the functions of:

- retrieving updated measured parameters from the database;

- mapping the updated measured parameter to color codes;

- creating a new rendering of the three-dimensional graphic representation of the array of electronic equipment; and

- wherein, in the three-dimensional graphic representation, each piece of electronic equipment in the array is represented with the color mapped to the updated measured parameter.

29. (Currently Amended) The system according to claim 27, further comprising:

a user interface that receives input that indicates a change in view has been selected by an operator;

and wherein the computer program includes graphics rendering code that renders a new three-dimensional graphic representation of the array of electronic equipment to change to the view selected by the operator; and

wherein in the three-dimensional graphic representation, each piece of electronic equipment in the array is represented with the color mapped to the measured parameter.

30. (Currently Amended) The system according to claim 29, wherein the view selected by the operator comprises one of a panned view and a zoomed view of the three-dimensional graphic representation.

31. – 33. (Cancelled)

34. (Original) The system according to claim 27, wherein the measured parameter comprises one of temperature, power, current and voltage.

35. (Currently Amended) An apparatus for monitoring measured parameters associated with each piece of equipment in an array of electronic equipment situated in at least one equipment rack, comprising:

means for retrieving data representing the measured parameters from a database;

means for mapping the measured parameters to color codes; and

means for presenting a three-dimensional graphic representation of the array of electronic equipment to a display, wherein in the three-dimensional graphic representation, each piece of electronic equipment in the array is represented with the color mapped to a measured parameter associated with the piece of electronic equipment, and wherein the three-dimensional graphic representation further depicts the equipment rack with a three-dimensional graphic representation of each piece of equipment situated in a position of the three-dimensional graphic representation of

the equipment rack corresponding with the physical location of the equipment in the equipment rack.

36. (Currently Amended) The apparatus according to claim 35, further comprising:

means for determining that a database update has occurred,

wherein, the means for retrieving retrieves updated measured parameters from the database;

wherein the means for mapping re-maps the updated measured parameter to color codes; and

wherein the means for presenting presents updates the information presented to the display; and

wherein, in the three-dimensional graphic representation, each piece of electronic equipment in the array is represented by the color re-mapped to the updated measured parameter.

37. (Currently Amended) The apparatus according to claim 35, further comprising:

means for receiving an input from a user interface that indicates a change in view has been selected by an operator, wherein the means for presenting re-presents a three-dimensional graphic representation of the array of electronic equipment to change to the view selected by the operator, wherein, in the three-dimensional graphic representation, each piece of electronic equipment in the array is represented by the color mapped to the measured parameter.

38. (Currently Amended) A method of monitoring a predetermined parameter in each of a plurality of electrical devices located on an equipment rack situated in a locality, comprising:

generating a user navigable three-dimensional graphical display of graphical representations of the devices as positioned on the equipment rack in the locality; and

coloring each of the graphical representations of the devices with a predetermined color corresponding to a currently measured value of the

predetermined parameter for the corresponding device, and wherein each of the graphical representations further depicts the equipment rack with a three-dimensional graphic representation of each piece of equipment situated in a position of the three-dimensional graphic representation of the equipment rack corresponding with the physical location of the equipment in the equipment rack.

39. (Currently Amended) The method according to claim 38, further comprising:

receiving an updated measured value of the predetermined parameter;

re-generating the user navigable three-dimensional graphical display of graphical representations of the devices as positioned in the locality; and

re-coloring each of the graphical representations of the devices with a predetermined color corresponding to the updated measured value of the predetermined parameter for the corresponding device.

40. (Currently Amended) The method according to claim 39, further comprising:

receiving a navigation input from a user interface that indicates a change in view has been selected by an operator;

re-generating the three-dimensional graphic display to change to the view selected by the operator.

41. (Original) The method according to claim 40, wherein the view selected by the operator comprises one of a panned view, a rotated view, a tilted view, a moved view and a zoomed view of the graphic representation.

42. – 44. (Cancelled)

45. (Original) The method according to claim 38, wherein the measured parameter comprises one of temperature, power, current and voltage.